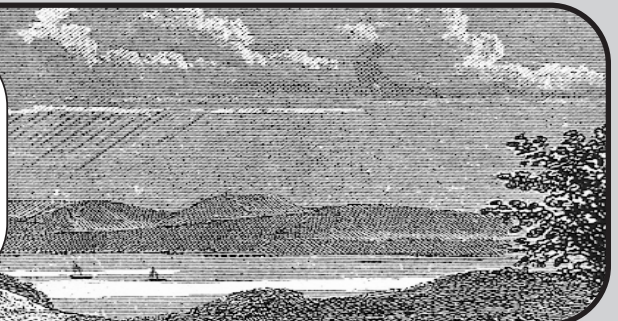


MARYLAND STREAM WADERS SAMPLE YEAR 2001 REPORT



CHESAPEAKE BAY AND
WATERSHED PROGRAMS
MONITORING AND
NON-TIDAL ASSESSMENT
CBWP-MANTA- EA-02-03





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Maryland Stream Waders Sample Year 2001 Report

**Prepared by
Daniel Boward and Rita Bruckler**

September 2002

**Maryland Department of Natural Resources
Monitoring and Non-tidal Assessment Division
580 Taylor Avenue; C-2
Annapolis, Maryland 21401**

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Foreword

This is the second in a series of annual reports on Maryland's Stream Waders statewide volunteer stream monitoring program managed by the Maryland Department of Natural Resources' (DNR) Monitoring and Non-tidal Assessment Division (MANTA). Stream Waders data are intended to supplement those collected for the Maryland Biological Stream Survey (MBSS) by DNR and University of Maryland biologists. This report provides an overview of the Program and summarizes results from sample year 2001.

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Introduction

Begun as a pilot in 2000, Maryland Stream Waders is a statewide volunteer stream-monitoring program managed by Maryland Department of Natural Resources (DNR), Monitoring and Non-tidal Assessment Division. Stream Waders is the volunteer component of the Maryland Biological Stream Survey (MBSS). Goals of Stream Waders are:

To increase the density of sampling sites for use in stream and watershed assessments;

To improve stream stewardship ethics and encourage local action to improve watershed management;

To educate the local community about the relationship between land use and stream quality; and

To provide quality assured information on stream quality to state, local, and federal agencies, environmental organizations, and others;

Stream Waders data are intended for use in water quality reports (such as Maryland's Biennial water quality report to Congress - the 305(b) Report), watershed restoration and protection programs, regulatory programs (such as 303(d) listing), and for local government use. They are also provided to the volunteers themselves who may have an interest in a particular stream or watershed.

Stream Waders 2001 was a success. At four locations, 193 volunteers were trained in basic stream ecology, map and Global Positioning System (GPS) use, and field sampling. The trainees formed 50 teams, and with sampling equipment and maps provided by DNR, they were ready to sample in the same watersheds across Maryland slated for sampling by the MBSS.

Methods

Stream Waders is designed to be seamless with the MBSS and several other organizations sampling streams in Maryland (see Appendix A). MBSS samples are collected at the watershed level (8-digit; about 70 square miles each) (Figure 1), while Stream Waders volunteers sample at the subwatershed (12-digit; about 8 square miles each) level. Thus, Stream Waders data should help "fill the gaps" left in watershed areas not sampled by MBSS.

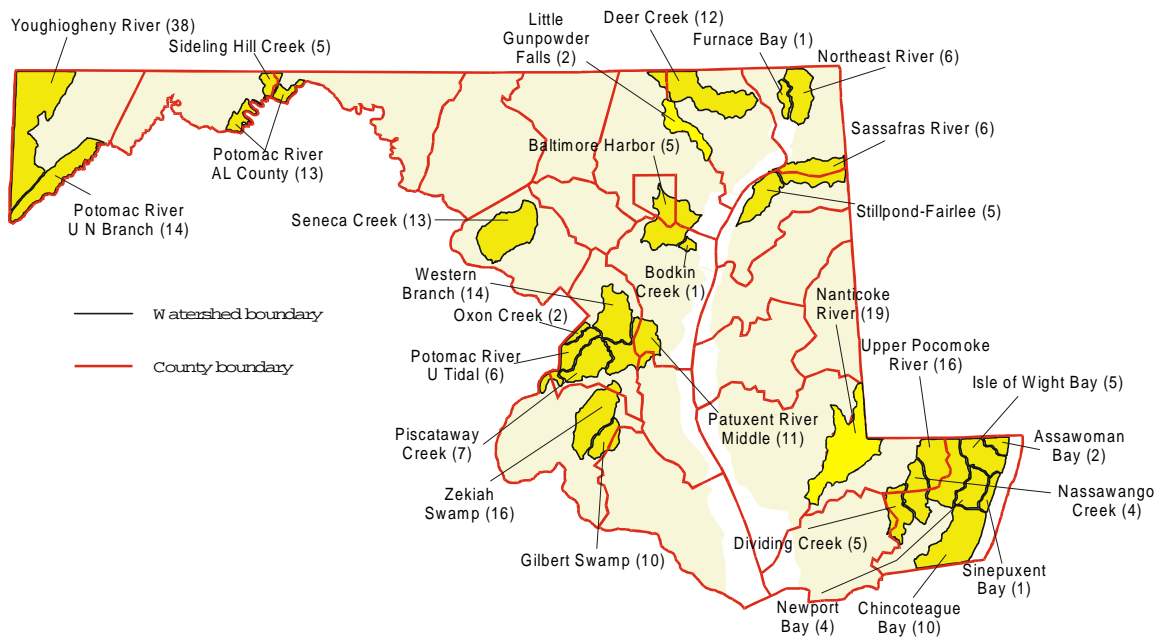


Figure 1. Watersheds sampled by Stream Waders volunteers during 2001 (shaded areas). The number of subwatersheds in each watershed is shown in parentheses.

Site Selection

Each year, local governments and citizen organizations interested in the selected watersheds are invited to submit site locations to be sampled by Stream Waders volunteers. For 2001, sites were requested by five local governments (Anne Arundel, Worcester, Dorchester, Charles and Montgomery counties) and seven citizen organizations (Assateague Coastal Trust, Maryland Coastal Bays Program, Trout Unlimited, Ridge and Valley Stream Keepers, Western Pennsylvania Conservancy, Friends of Mattawoman Creek, and the Accokeek Foundation).

After attending one eight-hour training session in February, volunteers were given subwatershed maps with pre-selected sites marked. Volunteers were asked to sample during the 1 March to 30 April time period and to sample the pre-selected sites first. For many subwatersheds there were fewer than five pre-selected sites, so volunteers were asked to distribute additional sites throughout the subwatershed, with one site near the most downstream part of the subwatershed. The target number of sites per subwatershed was five. Most sites were either upstream of a road crossing or within an easy walk of a road. Volunteers selected 100-foot sections of stream for their samples. Each team of volunteers was given a GPS unit to record the latitude and longitude of the actual sampling sites.

Data Collection and Analytical Methods

Benthic macroinvertebrates were sampled using the same methods as MBSS biologists (MDNR 2001a and MDNR 2001b). Samples were collected using one-foot wide "D" nets (595 micrometers) in multiple habitats (e.g. riffles, rootwads, leaves). About 20-square feet of stream substrate were sampled per site in proportion to the available habitat. Samples were preserved in ethanol and organisms were subsampled (about 100 organisms per sample) and identified to family (MDNR 2000) by DNR staff at DNR's laboratory in Annapolis. From the list of organisms identified from each site, a family-level Index of Biotic Integrity (IBI) was calculated and each site was rated either Good (IBI 4-5) Fair (IBI 3-3.9) or Poor (IBI 1-2.9) (MDNR 1998).

In a study conducted by DNR during the first statewide round of the MBSS, the family-level IBI (used by Stream Waders) performed nearly as well as the MBSS genus-level IBI in correctly classifying reference and degraded sites (MDNR 1998). In non-coastal plain areas, the two methods performed equally well and in coastal plain areas, the family-level IBI correctly classified 77% of the sites whereas the genus-level IBI was 88% efficient.

In addition to sampling benthos at each site, volunteers noted general information about each stream, such as width and depth, as well as a description of the surrounding land and potential problems. For 2001, 29 watersheds containing 235 subwatersheds were slated for sampling.

Quality Assurance/Quality Control

The Stream Waders Program contained several measures of QA/QC including testing of laboratory taxonomists and repeated subsampling and sample re-identification (MDNR 2000). Volunteers attended a one-day training session and will be asked to repeat the training each year that they participate in the program. Three percent of Stream Waders sites were sampled by professional biologists (duplicate samples) during the March-April index period (a gap of three or more weeks occurred between collection of the volunteer samples and the quality control samples allowing recolonization of the site between samples). Duplicate samples were also subsampled and identified by DNR staff according to MBSS protocols.

Site locations were verified by comparing the latitudes and longitudes recorded by volunteers using the GPS units with other location information from the data sheets such as stream name, nearest road crossing, and map grid. In addition, volunteers were asked to return their subwatershed maps with dots placed at each of their sampling site. This information was used to verify site locations as well. At some sites, volunteers were unable to obtain a GPS reading so latitudes and longitudes were determined at DNR using ARCVIEW and the above location information.

Results from 2001 sampling

Seven hundred eighteen samples were taken as part of the Stream Waders Program. Nineteen of these were duplicate samples collected by DNR staff to be used for Quality Control. Only two samples were degraded due to excess organic material in the sample and/or too little preservative. These samples were discarded prior to subsampling.

Forty-seven samples contained fewer than 60 organisms. The benthic IBI is generally less reliable when organism counts are less than 60. However, low organism counts are likely to occur at severely degraded sites, such as those in heavily urbanized areas, justifying keeping samples from such sites in the database. Thus, site and benthic community data were examined and best professional judgment was used to delete 31 of the 47 "low-organism count" samples from the database. Six hundred eighty seven samples were of high enough quality to calculate an Index of Biotic Integrity (Figure 2; next page).

Watershed and subwatershed coverage by Stream Waders volunteers was very good (Figure 3). Volunteers sampled 27 of the 29 scheduled watersheds, with an average of 27 sites per watershed. Of the 221 subwatersheds slated for sampling, 171 contained at least one sample. Fifty-seven percent of all subwatersheds sampled had 5 or more samples and 96% of those subwatersheds chosen for sampling during training sessions were actually sampled. The average number of samples per subwatershed was 4.1.

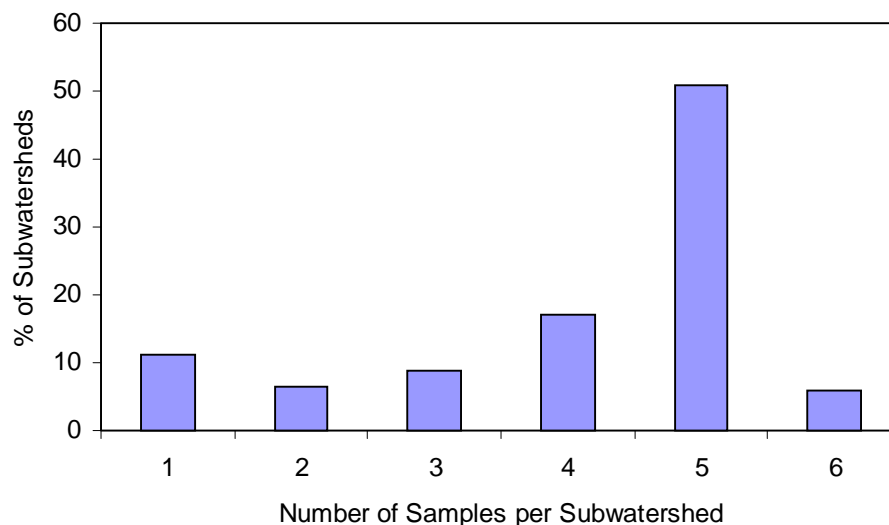


Figure 3. Number of Stream Waders samples per Subwatershed; 2001 sampling.

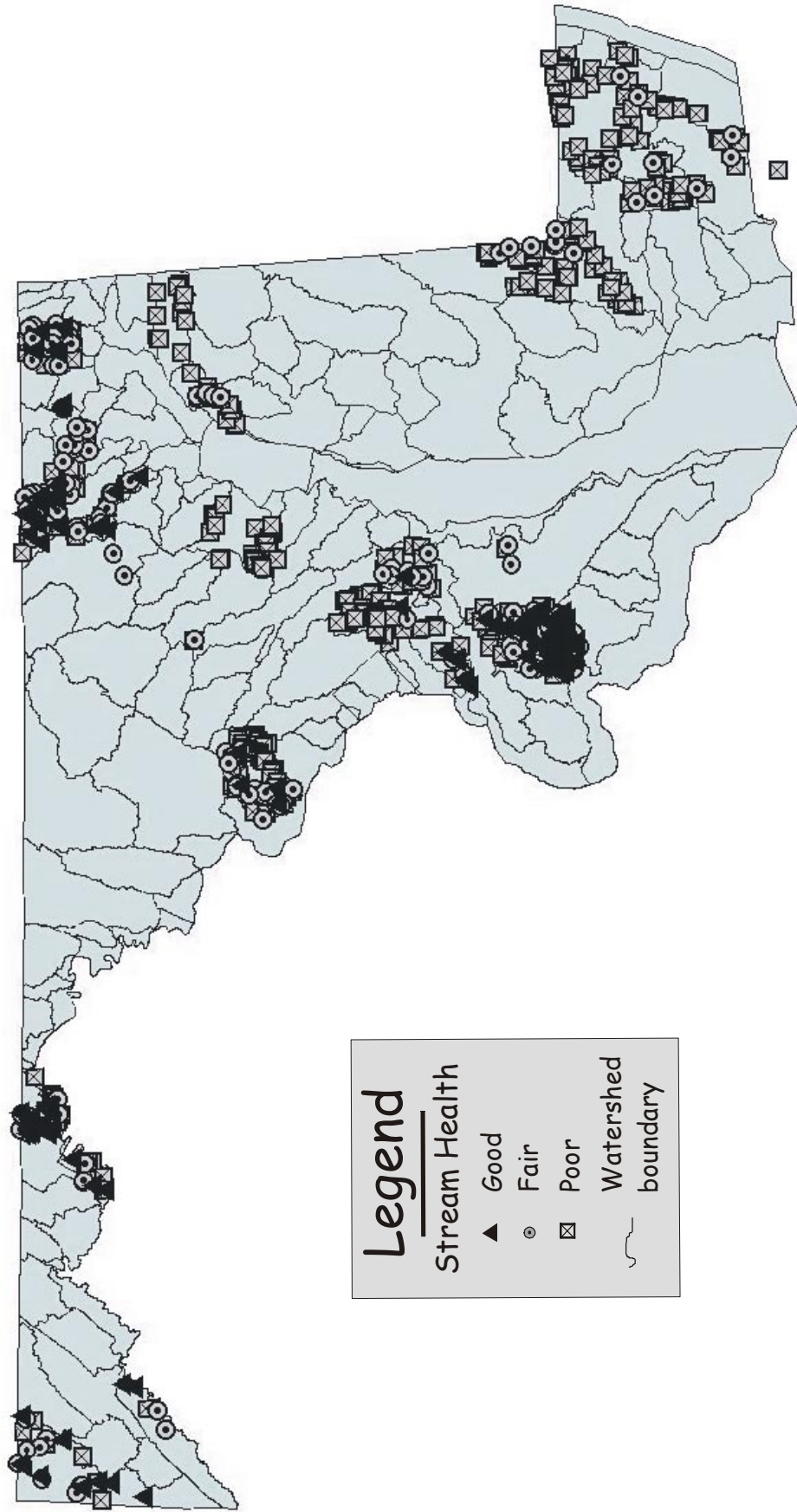


Figure 2. Year 2001 Maryland Stream Waders sites and stream health ratings based on a family Index of Biotic Integrity.

How closely were MBSS and Stream Waders samples matched?

Benthic IBI values from the 19 duplicate samples taken by MBSS staff corresponded fairly well with Stream Waders samples from the same sites (Figure 4). The slope of the linear regression line is 0.5. The mean difference between the Stream Waders and MBSS IBIs for all pairs of sites 0.24. Neither MBSS nor Stream Waders samples had a consistently higher or lower IBI.

Stream Waders and MBSS duplicate samples were in good agreement with respect to identifying poor quality sites (i.e., those with IBIs less than 3). Ten sites were rated poor by both sampling programs. However, at four sites (circled), there was some disagreement on poor vs. no poor stream health. Those sites were rated as fair by either the MBSS or the Stream Waders sample and poor in the other. Four sites were identified as fair or good by both sets of samples and one site was rated as good by the Stream Waders sample and fair by the MBSS sample. Therefore, fifteen of the nineteen sites agreed on stream health (poor or not poor) giving an agreement of 79%. This compares well to the Quality Control in the MBSS program which has an 89% agreement between duplicate samples.

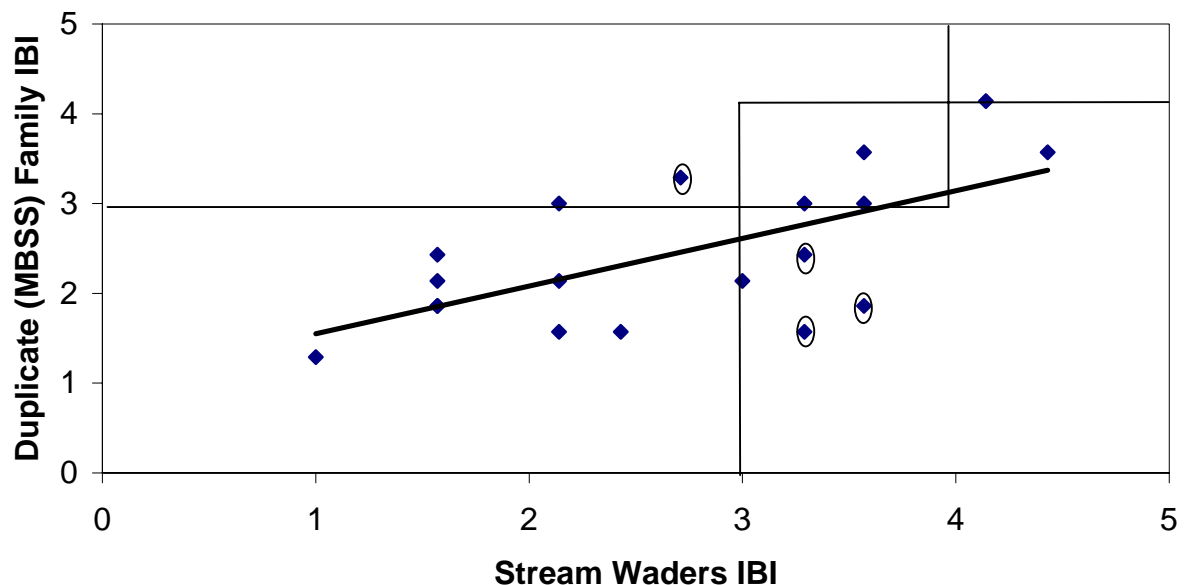


Figure 4. Duplicate samples taken by DNR staff (MBSS IBI) and Stream Waders samples. Boxes indicate division between poor (1.0-2.9), fair (3.0-3.9) and good (4.0-5.0). IBI scores indicate stream health.

Conclusions

Stream Waders 2001 was a success. Stream Waders volunteers collected data from 687 sites in 27 watersheds and 171 subwatersheds that will be used to supplement MBSS data in watershed reports and will be provided to local governments and watershed groups to assist in land use planning, stream restoration and protection programs, baseline assessments, and other water quality programs. The volunteers also gained information on stream stewardship and ecology which they can use to improve their community.

In the future, we plan to improve the program by increasing the number of quality control samples. This may be done by encouraging more volunteers to collect their samples early in the sampling season. We have successfully reduced the number of "unusable" samples (down to two from 91 in 2000) by providing better training in sample collection and preservation. We also hope to encourage more local governments and citizen organizations to suggest sites that are of interest to them, increasing the utility of the data.

At less than \$600 per subwatershed (based on this year's average of 4.1 sites per subwatershed), Stream Waders is a cost-effective way of supplementing the results of the Maryland Biological Stream Survey. With the increased coverage provided by Stream Waders, other government agencies and watershed organizations will have an additional tool to help identify streams in need of protection or restoration. However, a long-term and stable source of funds is needed to keep Stream Waders going into the future.

References

MDNR 1998. Development of a Benthic Index of Biotic Integrity for Maryland Streams. Maryland Department of Natural Resources. Annapolis, Maryland.

MDNR 2000. Maryland Biological Stream Survey Laboratory Methods for Benthic Macroinvertebrate Processing and Taxonomy. Maryland Department of Natural Resources. Annapolis, Maryland.

MDNR 2001a. Maryland Stream Waders Volunteer Stream Monitoring Manual. Maryland Department of Natural Resources. Annapolis, Maryland.

MDNR 2001b. Maryland Biological Stream Survey Sampling Manual. Maryland Department of Natural Resources. Annapolis, Maryland.

For More Information...

For more information on the Maryland Stream Waders Program, wade on over to www.dnr.state.md.us/mbss/waders.html. Our web site provides an overview of the Program, periodic updates on annual training sessions, and a searchable database. You can also drop us an email at streamwaders@dnr.state.md.us, or call toll free (in Maryland) 1-877-620-8DNR (x8623). Our local phone number is 410-260-8623. Lastly, you can send land mail to either Dan Boward or Rita Bruckler at:

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Appendix A. List of organizations using Maryland Biological Stream Survey (MBSS)/Stream Waders field methods to collect benthic macroinvertebrates.

Aberdeen Proving Grounds (U.S. Army)
Baltimore City Department of Public Works
Carroll County Department of Water Resource Planning
Herring Run Watershed Association
Howard County Department of Public Works
Indian Head Naval Base (U.S. Navy)
Maryland-National Capitol Parks and Planning Commission
Montgomery County Department of Environmental Protection
National Park Service
Parkers Creek Task Force/Calverton High School
Prince George's County Department of Environmental Resources
Ridge and Valley Stream Keepers
St. Marys College
University of Maryland

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Appendix B. Stream Waders sites in the watersheds sampled in March and April 2001 with stream name, site number, nearest road(s), and stream condition rating (based on the family-level Index of Biotic Integrity). The tables are in order alphabetically by watershed. Additional information, such as a list of benthic macroinvertebrate families found at each site, can be found at <http://mddnr.chesapeakebay.net/mbss/streamwaders.cfm>

Stream Waders results in the **Assawoman Bay** watershed (total sites = 2).

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BACK CR UT	0689-3	Caterpillar Rd.	Worcester	1.3	Poor
BUNTINGS BR UT	9011-1	Rt. 54	Sussex (DE)	1.9	Poor

Stream Waders results in the **Baltimore Harbor** watershed (total sites = 26).

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BEAR CR UT	1007-4	Westfield St. & S. Brook St. (Trappe Rd.)	Baltimore	1.6	Poor
BEAR CR UT	1007-5	Grays/County Club Cove Creek	Baltimore	1.6	Poor
BRADY COVE UT	1006-5	Duvall Highway	Anne Arundel	1.9	Poor
COLGATE CR	1007-2	Dundalk Ave.	Baltimore	1.0	Poor
COX CR UT	1006-1	Ft. Smallwood Rd.	Anne Arundel	1.3	Poor
ELK COVE UT	1006-3	Appalachian Dr. & Rambling Ridge Ct.	Anne Arundel	1.0	Poor
ELK COVE UT	1006-4	George Willing Dr.	Anne Arundel	1.9	Poor
LYNCH CR	1007-3	Merritt Blvd.	Baltimore	1.3	Poor
MARLEY CR	1008-1	Ritchie Highway	Anne Arundel	1.6	Poor
MARLEY CR UT	1008-2	Marley Neck Blvd.	Anne Arundel	1.3	Poor
MARLEY CR UT	1008-3	Marley Neck Blvd.	Anne Arundel	1.6	Poor
MARLEY CR UT	1008-4	Phirne Rd.	Anne Arundel	1.6	Poor
MARLEY CR UT	1008-5	Phirne Rd.	Anne Arundel	1.6	Poor
MIDDLE BR UT	1010-3	Waterview Ave.	Baltimore City	1.0	Poor
MUDDY BRIDGE BR	1009-4	Hollins Ferry Rd.	Anne Arundel	1.9	Poor
PATAPSCO R UT	1010-1	Interstate Ave. and O'Donnel St.	Baltimore City	1.0	Poor
PATAPSCO R UT	1010-4	Waterview Ave.	Baltimore City	1.3	Poor

Notes:

Those sites with samples having fewer than 60 organisms and no IBI calculation are not listed here. See the Methods section of the report for details.

CR = Creek; BR = Branch; R = River; UT = Unnamed Tributary.

Appendix B (cont.)

Stream Waders results in the **Baltimore Harbor** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
SAWMILL CR	1009-1	Queenstown Rd.	Anne Arundel	1.6	Poor
SAWMILL CR	1009-7	Eastern St.	Anne Arundel	1.6	Poor
SAWMILL CR	1009-8	Rt. 3 (Crain Hwy.)	Anne Arundel	1.6	Poor
SAWMILL CR	1009-5	Central Ave.	Anne Arundel	2.1	Poor
SAWMILL CR	1009-2	Rt. 100	Anne Arundel	2.4	Poor
SAWMILL CR UT	1009-9	Brighton Pl.	Anne Arundel	1.6	Poor
SAWMILL CR UT	1009-3	Zachary Ln.	Anne Arundel	1.9	Poor
STONEY CR	1006-2	Solley Rd.	Anne Arundel	2.4	Poor
UPPER ROCK CR UT	1006-6	Ft. Smallwood Rd.	Anne Arundel	1.6	Poor

Stream Waders results in the **Chincoteague Bay** watershed (total sites = 20).

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BRIMER GUT	0675-2	Bayside Rd.	Worcester	1.6	Poor
BRIMER GUT	0675-1	Scott's Landing Rd.	Worcester	2.4	Poor
HANCOCK CR	0671-5	Greenbackville Rd.	Worcester	1.9	Poor
LITTLE MILL CR	0672-2	Little Mill Rd.	Worcester	2.1	Poor
MARSHALL DITCH	0672-1	Sheephouse Rd.	Worcester	1.3	Poor
PARADIE BR	0672-3	Jones Rd. and Steel Pond Rd.	Worcester	3.6	Fair
PIKES CR	0674-3	Rt. 12 (Snow Hill Rd.)	Worcester	1.6	Poor
PIKES CR UT	0674-1	Rt. 12	Worcester	1.6	Poor
PIKES CR UT	0674-2	Rt. 12	Worcester	1.6	Poor
POORHOUSE BR	0679-1	Cedartown Rd.	Worcester	1.3	Poor
POWELL CR	0671-4	Rabbit Knaw Rd.	Worcester	2.1	Poor
RILEY CR	0671-2	Rt. 12	Worcester	1.0	Poor
RILEY CR	0671-3	Greenbackville Rd.	Worcester	3.6	Fair
ROBINS CR UT	0679-2	Taylor Rd. and Cedartown Rd.	Worcester	1.9	Poor
SCARBORO CR	0678-5	Taylor Rd.	Worcester	1.0	Poor
SCARBORO CR UT	0678-4	Taylor Rd.	Worcester	1.3	Poor
WATERWORKS CR	0680-3	Basket Switch Rd.	Worcester	1.0	Poor
WATERWORKS CR UT	0680-2	Basket Switch Rd.	Worcester	1.3	Poor
WATERWORKS CR UT 2	0680-5	Basket Switch Rd.	Worcester	1.6	Poor
WATERWORKS CR UT 2	0680-4	Basket Switch Rd.	Worcester	1.9	Poor

Appendix B (cont.)

Stream Waders results in the **Deer Creek** watershed (total sites = 60)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BIG BR	0331-1	Eden Mill Rd.	Harford	4.7	Good
BIG BR	0331-2	Channel Rd.	Harford	4.4	Good
BIG BR	0331-3	West Heaps Rd.	Harford	4.4	Good
BIG BR	0331-4	Neal Rd.	Harford	3.6	Fair
BIG BR	0331-5	Harkins Rd. (Rt. 136)	Harford	3.9	Fair
BUCKS BR	0321-1	Stafford Rd.	Harford	4.4	Good
BUCKS BR	0321-4	Stafford Rd.	Harford	4.1	Good
CABBAGE RUN	0325-2	Johnson Mill Road	Harford	1.9	Poor
CATTAIL BR	0328-2	Nelson Mill Rd.	Harford	3.6	Fair
COOLBRANCH RUN	0322-2	Cool Branch Rd.	Harford	3.9	Fair
DEER CR	0321-5	Stafford Rd.	Harford	4.4	Good
DEER CR	0324-1	Rocks Rd. and Cherry Hill Rd.	Harford	3.6	Fair
DEER CR	0324-4	Walters Mill Rd.	Harford	3.9	Fair
DEER CR	0324-5	Fordge Hill Rd.	Harford	3.3	Fair
DEER CR	0327-4	St. Clair Bridge Rd. and Rt. 24	Harford	3.6	Fair
DEER CR	0330-1	Madonna Rd. and Telegraph Rd.	Harford	3.6	Fair
DEER CR	0332-3	Muskat Rd. and Green Rd.	Harford	3.0	Fair
DEER CR	0332-5	Harris Mill Rd.	Baltimore	2.7	Poor
DEER CR UT	0321-3	Stafford Rd.	Harford	4.4	Good
DEER CR UT	0324-3	Cherry Hill Rd. and Burkins Rd.	Harford	2.7	Poor
DEER CR UT	0325-1	Pyle Road	Harford	2.7	Poor
DEER CR UT	0327-1	Rt. 165	Harford	2.7	Poor
DEER CR UT	0330-3	Jolly Acres Rd.	Harford	2.7	Poor
DEER CR UT	0330-4	Urey Rd.	Harford	4.4	Good
DEER CR UT	0332-1	Duncan Rd.	Harford	2.4	Poor
DEER CR UT	0332-2	Duncan Rd.	Harford	4.1	Good
ELBOW BR	0321-2	Craigs Corner	Harford	3.3	Fair
FALLING BR	0329-1	McDermott Rd.	Harford	3.9	Fair
FALLING BR	0329-2	Linkous Rd.	Harford	3.9	Fair
FALLING BR	0329-3	Falling Branch Rd.	Harford	3.0	Fair
FALLING BR	0329-5	Red Bridge Rd.	Harford	4.4	Good
FALLING BR UT	0329-4	Falling Branch	Harford	4.1	Good
GLADDEN BR	0327-3	Rocks Station Rd.	Harford	4.7	Good
ISLAND BR	0330-2	Amoss Mill Rd.	Harford	2.1	Poor
JACKSON BR	0330-5	Harford Creamery Rd.	Harford	3.3	Fair

Appendix B (cont.)

Stream Waders results in the **Deer Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
KELLOGG BR	0324-2	Rocks Chrome Hill Rd.	Harford	3.9	Fair
LITTLE DEER CR	0328-3	Madonna Rd.	Harford	3.6	Fair
LITTLE DEER CR	0328-5	St. Clair Bridge Rd.	Harford	4.4	Good
LITTLE DEER CR UT	0328-1	Troyer Rd.	Harford	2.1	Poor
LITTLE DEER CR UT	0328-4	Youngston Rd.	Harford	5.0	Good
MILL BROOK	0322-3	Old Level Rd.	Harford	3.9	Fair
MILL BROOK	0322-5	Old Level Rd. (Rt. 155)	Harford	2.4	Poor
MILL BROOK UT	0322-4	Old Level Rd. (Rt. 155)	Harford	3.0	Fair
NORTH STIRRUP RUN	0326-3	Sharon Road	Harford	1.9	Poor
NORTH STIRRUP RUN	0326-4	Rigdon Road	Harford	3.3	Fair
PLUM TREE BR	0332-4	Openshaw Rd.	Baltimore	4.4	Good
ROCK HOLLOW BR	0327-2	St. Clair Bridge Rd.	Harford	5.0	Good
SOUTH STIRRUP RUN	0326-1	Bailey Road	Harford	1.9	Poor
SOUTH STIRRUP RUN	0326-2	Sharon Road	Harford	3.3	Fair
STIRRUP RUN	0326-5	Rocks Road (Rt. 24)	Harford	3.6	Fair
STOUT BOTTLE BR	0325-3	Johnson Mill Road	Harford	1.6	Poor
STOUT BOTTLE BR	0325-4	Barefoot Lane	Harford	2.7	Poor
STOUT BOTTLE BR	0325-5	Route 543	Harford	3.0	Fair
THOMAS RUN	0323-1	Prospect Mill Rd.	Harford	3.9	Fair
THOMAS RUN	0323-4	Kalmia Rd. and Thomas Run Rd.	Harford	3.6	Fair
THOMAS RUN UT	0323-2	Prospect Mill Rd.	Harford	3.9	Fair
THOMAS RUN UT	0323-3	Whitehouse Rd. and Kalmia Rd.	Harford	3.6	Fair
THOMAS RUN UT	0323-5	Thomas Run Rd.	Harford	3.9	Fair
TOBACCO RUN	0322-1	Thomas Run Rd.	Harford	2.4	Poor
WET STONE BR	0327-5	North Bend Rd.	Harford	4.4	Good

Stream Waders results in the **Dividing Creek** watershed (total sites = 19).

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BURK MILL BRANCH	0662-1	Fleming Mill Road	Worcester	3.3	Fair
BURK MILL BRANCH UT	0662-4	Whitesburg Road	Worcester	1.6	Poor
DENNEY BR	0664-2	Stevens Rd.	Worcester	1.3	Poor
DIVIDING CR	0664-3	McGrath Rd.	Worcester	3.3	Fair
DIVIDING CR	0664-4	St. Lukes Rd.	Wicomico	1.9	Poor
DIVIDING CR	0664-5	Five Bridges Rd.	Worcester	2.1	Poor

Appendix B (cont.)

Stream Waders results in the **Dividing Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
DIVIDING CR UT	0662-2	Harry Riffin Road	Somerset	1.9	Poor
DIVIDING CR UT 2	0664-1	Stevens Rd.	Worcester	3.6	Fair
DIVIDING CREEK UT	0662-3	Courthouse Road	Somerset	1.6	Poor
DIVIDING CREEK UT	0662-5	Whitesburg Road	Worcester	1.9	Poor
PUSEY BR	0666-1	Whitesburg Rd.	Worcester	2.4	Poor
PUSEY BR	0666-3	Old Furnacetown Rd.	Worcester	1.6	Poor
PUSEY BR	0666-4	Old Furnacetown Rd.	Worcester	2.1	Poor
PUSEY BR UT	0666-5	Coulbourne Rd.	Worcester	1.9	Poor
TONY'S CR	0663-1	Ed Boston Rd.	Somerset	1.6	Poor
TONY'S CR	0663-2	Perry Hawkin Church Rd.	Somerset	2.1	Poor
TONY'S CR	0663-3	Perryhawkin Church Rd.	Somerset	1.9	Poor
TONY'S CR	0663-4	Perryhawkin Church Rd.	Somerset	1.0	Poor
TONY'S CR	0663-5	Perryhawkin Church Rd.	Somerset	2.1	Poor

Stream Waders results in the **Furnace Bay** watershed (total sites = 5)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
PRINCIPIO CR	0380-1	Post Rd.	Cecil	1.9	Poor
PRINCIPIO CR	0380-2	Post Rd.	Cecil	3.9	Fair
PRINCIPIO CR	0380-3	Lintor Run	Cecil	3.9	Fair
PRINCIPIO CR UT	0380-4	Winch Road	Cecil	5.0	Good
PRINCIPIO CR UT	0380-5	Belvidere Road	Cecil	2.7	Poor

Stream Waders results in the **Gilbert Swamp** watershed (total sites = 39)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
DENTON RUN	0746-1	Dyson Pl.	Charles	4.1	Good
GILBERT CR	0749-2	Keech Rd.	Charles	3.0	Fair
GILBERT CR	0749-3	Keech Rd.	Charles	2.4	Poor
GILBERT CR	0753-3	Pilea Pl.	Charles	3.9	Fair
GILBERT CR RUN	0749-1	Route 6	Charles	3.6	Fair
GILBERT CR UT	0751-1	Oaks Road	Charles	3.9	Fair
GILBERT CR UT	0751-2	Vom Hainberg Pl.	Charles	2.7	Poor
GILBERT CR UT	0752-1	Carrico Mill Rd.	Charles	3.9	Fair

Appendix B (cont.)

Stream Waders results in the **Gilbert Swamp** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
GILBERT CR UT	0752-2	Horsecrossing Pl.	Charles	4.7	Good
GILBERT CR UT	0752-3	Poplar St.	Charles	1.9	Poor
GILBERT CR UT	0753-4	Burnt Store Rd.	Charles	1.6	Poor
GILBERT RUN	0745-1	Buds Creek Rd. (Rt. 234)	Charles	3.3	Fair
GILBERT RUN LAKE UT	0750-1	Route 6	Charles	3.6	Fair
GILBERT RUN LAKE UT	0750-2	Route 6	Charles	2.4	Poor
GILBERT RUN LAKE UT	0750-4	Route 6	Charles	3.9	Fair
GILBERT SWAMP RUN	0747-3	Trinity Church Rd.	Charles	4.4	Good
GILBERT SWAMP RUN	0749-4	Keech Rd.	Charles	4.1	Good
GILBERT SWAMP RUN UT	0747-1	Rt. 6	Charles	4.4	Good
GILBERT SWAMP RUN UT	0747-2	Dubois Rd.	Charles	3.9	Fair
GILBERT SWAMP RUN UT	0753-2	Burnt Store Rd.	Charles	4.7	Good
HELLS BOTTOM RUN	0748-2	Rt. 6	Charles	3.3	Fair
HELLS BOTTOM RUN	0748-3	Elizabeth Ln.	Charles	3.9	Fair
HELLS BOTTOM RUN	0748-4	Kentucky Ave.	Charles	3.3	Fair
IVORY RUN	0745-5	Bowling Dr.	Charles	4.4	Good
LANCASTER RUN	0745-4	Bowling Dr.	Charles	4.4	Good
MURPHY RUN	0744-1	Wicomico Ridge Rd.	Charles	2.4	Poor
MURPHY RUN	0744-2	Penn Hills Rd.	Charles	2.4	Poor
MURPHY RUN	0744-3	Stine's Store Rd.	Charles	3.0	Fair
OAKS RUN	0751-4	Bach Rd. and Handel Dr.	St. Mary's	2.4	Poor
ODEN RUN	0745-2	Old Sycamore Rd.	Charles	4.4	Good
ODEN RUN	0745-3	Trinity Church Rd.	Charles	3.3	Fair
PEACH RUN	0744-4	Newport Church Rd.	Charles	3.3	Fair
SMOOTS POND RUN	0751-3	Wenlin Rd.	Charles	3.3	Fair
ST. STEPHEN RUN	0748-5	Bowling Dr.	Charles	4.7	Good
ST. STEPHEN RUN UT	0748-1	Amy Dr.	Charles	2.4	Poor
TRINITY CHURCH RUN	0746-2	Dubois Rd.	Charles	1.3	Poor
TRINITY CHURCH RUN	0746-4	Rollins Ln.	St. Mary's	4.1	Good
TRINITY CHURCH RUN UT	0746-3	North Ryceville Rd.	Charles	4.7	Good
TRINITY CHURCH RUN UT	0746-5	Glock Pl.	Charles	3.6	Fair

Appendix B (cont.)

Stream Waders results in the **Isle of Wight Bay** watershed (total sites = 18)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BIRCH BR	0691-1	Campbelltown Rd.	Worcester	1.3	Poor
BISHOPVILLE PRONG UT	0692-10	Jarvis Road	Worcester	1.9	Poor
BISHOPVILLE PRONG UT	0692-9	Rt. 367 (Bishopville Rd.)	Worcester	1.6	Poor
BISHOPVILLE PRONG UT 2	0692-13	Jarvis Rd.	Worcester	1.0	Poor
CAREY BR	0692-1	Rt. 113	Worcester	1.3	Poor
CAREY BR	0692-2	Old Stage Rd.	Worcester	1.0	Poor
CAREY BR	0692-3	Hotel Rd.	Worcester	2.7	Poor
CAREY BR UT	0692-4	Hammond Rd.	Worcester	1.6	Poor
CHURCH BR	0691-7	Carey Rd.	Worcester	1.6	Poor
CRIPPEN BR	0690-2	Adkin at Cathell	Worcester	1.9	Poor
GODFREY AGRICULTURAL DITCH	0692-14	Mumford Road	Worcester	1.3	Poor
LAMBARKINS BR	0692-6	St. Martins Neck Rd.	Worcester	1.3	Poor
LAMBARKINS BR	0692-7	Shell Mill Rd.	Worcester	1.6	Poor
LAMBKIWS CR	0692-8	St. Martins Neck Rd.	Worcester	1.6	Poor
MIDDLE BR	0691-4	Campbelltown Rd.	Worcester	1.9	Poor
MOSES CR	0692-11	Daye Girl Rd.	Worcester	1.6	Poor
PERKINS CR	0692-12	Jarvis Rd.	Worcester	1.6	Poor
SLAB BRIDGE PRONG	0692-5	Hotel Rd.	Worcester	1.9	Poor

Stream Waders results in the **Little Gunpowder Falls** watershed (total sites = 18).

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
LITTLE GUNP. FALLS	0298-3	Baldwin Mill Rd.	Harford	3.0	Fair
LITTLE GUNP. FALLS	0298-6	Franklinville Rd.	Baltimore	4.1	Good
LITTLE GUNP. FALLS	0298-7	Bottom Rd.	Harford	3.9	Fair
LITTLE GUNP. FALLS	0298-8	Jerusalem Rd.	Baltimore	3.6	Fair
LITTLE GUNP. FALLS	0298-9	Guyton Rd.	Baltimore	4.7	Good
LITTLE GUNP. FALLS	0299-1	Hess Rd.	Baltimore	4.1	Good
LITTLE GUNP. FALLS	0299-5	Old York Rd.	Baltimore	2.7	Poor
LITTLE GUNP. FALLS	0299-7	Stansbury Mill Rd.	Baltimore	3.3	Fair
LITTLE GUNP. FALLS UT	0298-1	Moore's Rd. and Greene Rd.	Harford	2.7	Poor
LITTLE GUNP. FALLS UT	0298-10	Daltom Bevard Rd.	Harford	3.3	Fair
LITTLE GUNP. FALLS UT	0298-2	Bucks Ln.	Harford	1.9	Poor
LITTLE GUNP. FALLS UT	0299-3	Houcks Mill Rd.	Harford	3.6	Fair
LITTLE GUNP. FALLS UT	0299-8	Stansbury Mill Rd.	Baltimore	4.4	Good

Appendix B (cont.)

Stream Waders results in the **Little Gunpowder Falls** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
OVERSHOT BR	0298-4	Laurel Brook Rd.	Harford	3.0	Fair
SAWMILL BR	0299-6	Manor Rd.	Baltimore	4.7	Good
THORNTON BR	0299-4	Houcks Mill Rd.	Harford	3.9	Fair
WILD CAT BR	0298-5	Reckord Rd.	Harford	2.7	Poor
YELLOW BR	0299-2	Hess Rd.	Baltimore	2.7	Poor

Stream Waders results in the **Nanticoke River** watershed (total sites = 50)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BARREN CR	0583-1	Spring Hill Rd.	Wicomico	1.3	Poor
BARREN CR UT	0581-1	Memory Garden Rd.	Wicomico	1.0	Poor
BARREN CR UT	0583-3	Old Railroad Rd.	Wicomico	3.0	Fair
BARREN CR UT	0583-4	Delmar Rd.	Wicomico	3.6	Fair
BLACKWATER CR	0583-2	Spring Hill Rd.	Wicomico	3.0	Fair
CHICONE CR	0586-1	Jones Thicket Rd.	Dorchester	1.6	Poor
CHICONE CR UT	0586-2	Rt. 331	Dorchester	1.0	Poor
CHICONE CR UT	0586-3	Reids Rd.	Dorchester	1.6	Poor
CHICONE CR UT	0586-4	Rt. 331	Dorchester	1.6	Poor
DUNN CR	0572-2	Texas Rd.	Wicomico	1.9	Poor
GALES CR	0588-1	Galestown Rd.	Dorchester	3.0	Fair
GALES CR	0588-2	Newhart Mill Rd.	Dorchester	3.3	Fair
GALES CR UT	0588-3	Cokesbury Rd.	Dorchester	1.3	Poor
GALES CR UT	0588-5	Fooks Mill Rd.	Dorchester	1.6	Poor
GRIIMES CR UT	0584-2	Riverton Rd.	Wicomico	2.1	Poor
GUNMILL CR	0574-3	Nanticoke Rd.	Wicomico	1.9	Poor
HORNER GUT	0573-1	Wetipquin Rd.	Wicomico	2.1	Poor
INGEM GUT	0582-2	Taylor Tr.	Wicomico	1.9	Poor
INGEM GUT	0582-3	Taylor Tr.	Wicomico	1.9	Poor
INGEM GUT	0582-4	Athol Rd.	Wicomico	1.6	Poor
INGEM GUT	0582-5	Athol Rd.	Wicomico	1.6	Poor
LITTLE RIDGES	0582-1	Taylor Tr.	Wicomico	1.9	Poor
MANUMSCO CR	0574-1	Cherry Walk Rd.	Wicomico	1.9	Poor
MOLLY HORN BR	0587-1	Nanticoke River	Dorchester	1.9	Poor

Appendix B (cont.)

Stream Waders results in the Nanticoke River watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
MOLLY HORN BR UT	0587-2	Nanticoke River	Dorchester	1.6	Poor
NANTICOKE R UT	0572-3	Cedar Hill Park Rd.	Wicomico	1.3	Poor
NANTICOKE R UT	0572-5	Lankerford Rd.	Wicomico	1.6	Poor
NANTICOKE R UT	0578-2	Elliott Island Rd.	Dorchester	1.9	Poor
NANTICOKE R UT	0578-5	Rt. 731	Dorchester	1.6	Poor
NANTICOKE R UT	0584-1	San Domingo Rd.	Wicomico	1.6	Poor
NORTH BR MILL CR	0578-4	Elliott Island Rd.	Dorchester	1.6	Poor
PETERS CR	0580-2	Fire Tower Rd.	Wicomico	1.9	Poor
PLUM CR	0584-3	Rt. 313	Wicomico	1.6	Poor
PLUM CR	0584-4	Cooper Mill Rd.	Wicomico	2.7	Poor
PLUM CR	0584-5	San Domingo	Wicomico	3.9	Fair
QUANTICO CR	0574-2	Quantico Rd.	Wicomico	1.6	Poor
QUANTICO CR	0580-1	Quantico Creek Rd.	Wicomico	2.4	Poor
QUANTICO CR	0580-3	Rookawalkin Rd.	Wicomico	1.3	Poor
REWASTACO CR	0581-2	Rt. 347	Wicomico	1.6	Poor
REWASTACO CR	0581-4	Porter Mill Rd.	Wicomico	1.6	Poor
REWASTACO CR	0581-5	Old Railroad Rd.	Wicomico	1.9	Poor
REWASTICO CR	0581-3	Porter Mill Rd.	Wicomico	3.0	Fair
SOUTH BR MILL CR	0578-3	Elliott Island Rd.	Dorchester	1.6	Poor
SPILLWAY OF WRIGHTSMILL POND	0588-6	Cokesbury Rd.	Dorchester	2.7	Poor
TYASKIN CR	0573-4	Naticoke Rd.	Wicomico	1.6	Poor
TYASKIN CR UT	0572-4	Tyaskin Church Rd.	Wicomico	1.9	Poor
WETIPQUIN CR	0573-3	Head of Creek Rd.	Wicomico	1.6	Poor
WILLINGS GUT	0573-2	Wetipquin Rd.	Wicomico	1.6	Poor
WINDSOR CR	0572-1	Jesterville Rd.	Wicomico	1.6	Poor
WRIGHTS MILL POND BR	0588-4	Bethel Rd.	Dorchester	1.3	Poor

Appendix B (cont.)

Stream Waders results in the Nassawango Creek watershed (total = 14 sites)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
NASSAWANGO CR UT	0667-5	Snow Hill	Worcester	3.9	Fair
FOREST GROVE BR UT	0669-4	Rohm Rd.	Wicomico	1.6	Poor
FURNACE BR	0667-1	Millville Rd.	Worcester	2.1	Poor
HORSEBRIDGE CR	0670-1	Twilley's Bridge Rd.	Wicomico	3.3	Fair
HORSEBRIDGE CR	0670-2	Twilley's Bridge Rd.	Wicomico	1.6	Poor
HORSEBRIDGE CR	0670-3	Mt. Hermon Rd.	Wicomico	1.6	Poor
HORSEBRIDGE CR	0670-4	Shavox Rd.	Wicomico	1.3	Poor
HORSEBRIDGE CR	0670-5	Longridge Rd.	Wicomico	1.3	Poor
MOUNT OLIVE BR UT	0667-2	Millville Rd.	Worcester	1.9	Poor
NASSAWANGO CR	0667-3	Furnace Town	Worcester	2.7	Poor
NASSAWANGO CR	0667-4	Snow Hill	Worcester	3.0	Fair
WANGO BR	0669-3	Waste Gate Rd.	Wicomico	1.3	Poor
WASTE GATE CR	0669-1	Shavox Rd.	Wicomico	1.6	Poor
WASTE GATE CR	0669-2	Forest Grove Rd.	Wicomico	1.6	Poor

Stream Waders results in the Northeast River watershed (total = 29 sites)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
LITTLE NORTHEAST CR	0377-2	Mechanics Valley Rd.	Cecil	3.9	Fair
LITTLE NORTHEAST CR	0377-3	Blue Ball Rd.	Cecil	3.6	Fair
LITTLE NORTHEAST CR	0377-4	Blue Ball Rd.	Cecil	3.0	Fair
LITTLE NORTHEAST CR	0377-5	Rt. 273 (Telegraph Rd.)	Cecil	2.7	Poor
LITTLE NORTHEAST CR UT	0376-3	Northeast Elementary	Cecil	2.4	Poor
LITTLE NORTHEAST CR UT	0376-4	Old Philadelphia Road	Cecil	3.3	Fair
NORTHEAST CR	0376-1	Rt. 276	Cecil	3.0	Fair
NORTHEAST CR	0376-2	Rt. 40	Cecil	2.4	Poor
NORTHEAST CR	0377-1	Mechanics Valley Rd.	Cecil	4.1	Good
NORTHEAST CR	0379-1	Calvert Rd.	Cecil	2.1	Poor
NORTHEAST CR	0379-4	Rt. 272	Cecil	2.7	Poor
NORTHEAST CR UT	0376-5	Rt. 272	Cecil	3.9	Fair
NORTHEAST CR UT	0379-2	Calvert Rd.	Cecil	1.9	Poor
NORTHEAST CR UT	0379-3	Wilson Rd.	Cecil	3.3	Fair
NORTHEAST CR UT	0379-5	England Creamery Rd.	Cecil	4.1	Good

Appendix B (cont.)

Stream Waders results in the **Northeast River** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
NORTHEAST R UT	0374-1	Razor Strap Rd.	Cecil	3.3	Fair
NORTHEAST R UT	0374-2	Rt. 40	Cecil	2.7	Poor
NORTHEAST R UT	0374-3	Rt. 40	Cecil	3.6	Fair
NORTHEAST R UT	0374-4	Rt. 40	Cecil	2.1	Poor
STONY RUN	0375-1	Baliff Rd.	Cecil	3.9	Fair
STONY RUN	0375-2	Baliff Rd.	Cecil	3.3	Fair
STONY RUN	0375-5	Rt. 40	Cecil	3.3	Fair
STONY RUN UT	0375-3	Theodore Road	Cecil	4.1	Good
STONY RUN UT	0375-4	Ebenezer Church Rd.	Cecil	4.7	Good
WEST BR	0378-1	Rt. 272	Cecil	2.4	Poor
WEST BR	0378-2	West Branch Circle	Cecil	3.0	Fair
WEST BR	0378-3	Fieldcrest Dr.	Cecil	1.9	Poor
WEST BR	0378-4	Dr. Miller Rd.	Cecil	1.6	Poor
WEST BR	0378-5	Wheatly Rd.	Cecil	4.4	Good

Stream Waders results in the **Patuxent River Middle** watershed (total sites = 24).

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BLACK WALNUT CR	0908-5	Patuxent River Park Entrance Rd.	Prince Georges	3.3	Fair
DEEP CR BR	0908-3	Lower Pindell Rd.	Anne Arundel	1.9	Poor
DEEP RUN BR	0916-2	Polling House Rd.	Anne Arundel	2.7	Poor
GALLOWAY CR	0914-2	Route 4 Service Rd. near Rt. 408	Anne Arundel	1.9	Poor
GALLOWAY CR	0914-3	Sands Rd.	Anne Arundel	3.3	Fair
LYONS CR	0910-3	McKendree Rd.	Anne Arundel	3.0	Fair
LYONS CR	0910-4	Rt. 2 & Bay Front	Anne Arundel	1.9	Poor
LYONS CR UT	0910-1	Bayfront Rd. & Crandell	Anne Arundel	1.3	Poor
LYONS CR UT	0910-2	Bayfront Rd.	Anne Arundel	2.1	Poor
LYONS CR UT	0910-5	Old Solomons Island Rd.	Anne Arundel	1.3	Poor
PATUXENT R UT	0914-1	Bishopmill Rd. & Dario Rd.	Prince Georges	1.9	Poor
PATUXENT R UT	0915-1	Village Dr.	Prince Georges	1.3	Poor
PATUXENT R UT	0917-2	Preservation Lane	Anne Arundel	2.7	Poor
PATUXENT R UT	0917-3	Pinciscan Rd.	Anne Arundel	1.6	Poor
PATUXENT R UT	0917-4	Windsor Farm Rd.	Anne Arundel	2.4	Poor
PATUXENT R UT	0917-1	Sand Rd.	Anne Arundel	3.9	Fair
PINDELL BR	0908-2	Pindell Rd.	Anne Arundel	3.9	Fair

Appendix B (cont.)

Stream Waders results in the **Patuxent River Middle** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
ROCK BR	0916-1	Sands Rd.	Anne Arundel	3.9	Fair
ROCK BR	0916-3	Polling House Rd.	Anne Arundel	3.3	Fair
ROCK BR	0916-4	South Polling House Rd.	Anne Arundel	1.6	Poor
SWAN POINT CR	0908-4	Croom Airport Rd.	Prince Georges	1.6	Poor
TWO RUN BR	0908-1	Wrighton Rd.	Anne Arundel	3.6	Fair
WILSON OWEN BR	0914-4	Sands Rd.	Anne Arundel	3.6	Fair
WILSON OWEN BR	0914-5	Sands Rd.	Anne Arundel	4.1	Good

Stream Waders results in the **Piscataway Creek** watershed (total sites = 17)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BURCH BR	0801-1	373 (Accokeek Rd.)	Prince Georges	2.1	Poor
BUTLERS BR	0801-5	Thrift Rd.	Prince Georges	1.6	Poor
PISCATAWAY CR	0804-1	Woodyard Rd.	Prince Georges	1.6	Poor
PISCATAWAY CR	0804-5	Dead end of Green Apple Turn	Prince Georges	1.9	Poor
PISCATAWAY CR UT	0798-3	Piscataway Dr. (off Old Fort Rd.)	Prince Georges	2.7	Poor
PISCATAWAY CR UT	0799-4	Farmington Rd. East	Prince Georges	3.6	Fair
PISCATAWAY CR UT	0801-2	Windbrook Dr.	Prince Georges	4.7	Good
PISCATAWAY CR UT	0801-3	Thrift Rd.	Prince Georges	3.6	Fair
PISCATAWAY CR UT	0801-4	Thrift Rd.	Prince Georges	4.4	Good
PISCATAWAY CR UT	0804-2	Robin Hood Dr. N. of Victoria Dr.	Prince Georges	2.7	Poor
PISCATAWAY CR UT	0804-3	Rhodenda Dr.	Prince Georges	1.6	Poor
PISCATAWAY CR UT	0804-4	Le Fevre Dr.	Prince Georges	1.9	Poor
PISCATAWAY CR UT 2	0799-2	Floral Park Rd.	Prince Georges	2.7	Poor
PISCATAWAY CR UT 2	0799-5	Floral Park Rd.	Prince Georges	4.4	Good
PISCATAWAY CR UT 3	0799-3	Livingston Rd.	Prince Georges	5.0	Good
PISCATAWAY CR UT 4	0798-1	near Farmington Rd. East	Prince Georges	4.4	Good
PISCATAWAY CR UT 5	0798-2	Farmington Rd.	Prince Georges	4.4	Good

Appendix B (cont.)

Stream Waders results in the **Potomac River Allegany County** watershed (total sites = 26)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BIG RUN	0110-1	Dailey Rd.	Allegany	2.7	Poor
BIG RUN	0110-2	Kirk Rd.	Allegany	3.9	Fair
BIG RUN	0110-5	Dailey Rd.	Allegany	4.1	Good
BIG RUN UT	0110-4	Dailey Rd.	Allegany	2.1	Poor
POTOMAC R UT	0110-3	Reckley Rd.	Allegany	1.6	Poor
POTOMAC R UT	0112-1	Tunnel Hill Rd.	Allegany	2.4	Poor
POTOMAC R UT	0112-2	Tunnel Hill Rd.	Allegany	3.3	Fair
POTOMAC R UT	0112-4	Tunnel Hill Rd.	Allegany	3.3	Fair
POTOMAC R UT	0112-5	Tunnel Hill Rd.	Allegany	1.9	Poor
POTOMAC R UT	0118-1	Pearre Rd.	Washington	1.9	Poor
POTOMAC R UT	0118-3	Pearre Rd.	Washington	1.3	Poor
POTOMAC R UT	0118-4	Pearre Rd.	Washington	2.4	Poor
POTOMAC R UT	0118-5	Pearre Rd.	Washington	1.9	Poor
POTOMAC R UT	0119-1	Pearre Rd.	Washington	3.9	Fair
POTOMAC R UT	0119-2	Woodmont Rd.	Washington	2.1	Poor
POTOMAC R UT	0119-3	Woodmont Rd.	Washington	4.1	Good
POTOMAC R UT	0119-4	Woodmont Rd.	Washington	5.0	Good
POTOMAC R UT	0120-1	Long Hollow Rd.	Washington	4.7	Good
POTOMAC R UT	0120-2	Pearre Rd.	Washington	2.1	Poor
POTOMAC R UT	0121-1	Deneen Rd.	Washington	3.3	Fair
POTOMAC R UT	0121-2	Deneen Rd.	Washington	3.0	Fair
POTOMAC R UT	0121-3	Deneen Rd.	Washington	2.1	Poor
POTOMAC R UT	0121-4	Seavolt Rd.	Washington	1.6	Poor
POTOMAC R UT	0121-5	Berm Rd.	Washington	2.4	Poor
ROBY HOLLOW	0114-3	Carroll Rd.	Allegany	4.7	Good
SANDY FLAT HOLLOW	0112-3	Tunnel Hill Rd.	Allegany	1.6	Poor

Stream Waders results in the **Potomac River Upper North Branch** watershed (total sites = 5)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
FOLLY RUN	0049-1	Chestnut Grove Rd.	Garrett	4.7	Good
LAUREL RUN	0050-1	Lee Rd.	Garrett	4.7	Good
LOST LAND RUN	0046-1	Lost Land Run Rd.	Garrett	3.6	Fair
THREE FORKS RUN	0048-1	Vindex Rd.	Garrett	2.7	Poor
WOLFDEN RUN	0047-1	North Hill Rd.	Garrett	3.9	Fair

Appendix B (cont.)

Stream Waders results in the **Sassafras River** watershed (total sites = 11)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
COX CR	0356-3	Grove Neck Rd. and Cox Creek Ln.	Cecil	1.6	Poor
COX CR	0356-4	Grove Neck Rd. and Cox Creek Ln.	Cecil	1.6	Poor
DUFFY CR	0357-5	Wards Hill Rd.	Cecil	1.9	Poor
DYER CR	0355-1	Rt. 213	Kent	1.6	Poor
HALL CR	0356-1	Sandy Bottom Rd. and Beaston Way	Cecil	2.4	Poor
JACOBS CR	0357-3	Rt. 301	Kent	2.1	Poor
JACOBS CR	0357-4	Rt. 289	Kent	1.9	Poor
LLOYD CR UT	0353-1	Bloomfield Rd.	Kent	1.6	Poor
MILL POND CR UT	0357-1	Rt. 290	Kent	1.9	Poor
SWANTOWN CR UT	0357-2	Quinn Rd.	Kent	1.3	Poor
WOODLAND CR	0355-2	Rt. 213	Kent	1.3	Poor

Stream Waders results in the **Seneca Creek** watershed (total sites = 64)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BUCKLODGE BR	0858-2	White Ground Rd.	Montgomery	1.3	Poor
BUCKLODGE BR	0858-3	Bucklodge Rd.	Montgomery	3.0	Fair
BUCKLODGE BR UT	0858-1	White Ground Rd.	Montgomery	1.9	Poor
BUCKLODGE BR UT	0858-4	Bucklodge Rd.	Montgomery	1.0	Poor
CABIN BR	0863-2	Snouffers School Rd.	Montgomery	1.6	Poor
CABIN BR	0863-5	Watkins Mill Rd.	Montgomery	1.6	Poor
CABIN BR UT	0863-1	Brenish Rd.	Montgomery	1.3	Poor
CABIN BR UT	0863-3	Dry Ridge Rd.	Montgomery	1.6	Poor
CABIN BR UT	0863-4	Goshen Rd.	Montgomery	1.6	Poor
DRY SENECA CR	0855-1	Sugarland Rd.	Montgomery	3.3	Fair
DRY SENECA CR	0855-2	Sugarland Rd.	Montgomery	2.1	Poor
DRY SENECA CR	0855-3	Sugarland Rd.	Montgomery	3.0	Fair
DRY SENECA CR	0855-4	Sugarland Rd.	Montgomery	3.3	Fair
DRY SENECA CR	0855-5	Whites Ferry Rd. (107)	Montgomery	3.0	Fair
DRY SENECA CR	0856-1	Whites Ferry Rd. (107)	Montgomery	3.0	Fair
DRY SENECA CR	0856-3	Jerusalem Road	Montgomery	3.3	Fair
DRY SENECA CR	0856-5	Peach Tree Rd.	Montgomery	2.7	Poor
DRY SENECA CR UT	0856-2	Whites Ferry Rd. (107)	Montgomery	4.4	Good
DRY SENECA CR UT	0856-4	Cattail Rd.	Montgomery	2.4	Poor

Appendix B (cont.)

Stream Waders results in the **Seneca Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
GOSHEN BR	0864-1	Woodend Rd.	Montgomery	2.7	Poor
GOSHEN BR	0864-4	Brink Rd. and Wightman Rd.	Montgomery	2.4	Poor
GOSHEN BR UT	0864-2	Woodend Rd.	Montgomery	2.7	Poor
GOSHEN BR UT	0864-3	Brink Rd.	Montgomery	2.4	Poor
GREAT SENECA CR UT	0860-5	Game Preserve Rd.	Montgomery	1.3	Poor
GREAT SENECA CR	0857-1	Riffle Ford Rd.	Montgomery	1.3	Poor
GREAT SENECA CR	0857-10	Black Rock Rd.	Montgomery	2.4	Poor
GREAT SENECA CR	0857-2	Riffle Ford Rd.	Montgomery	1.3	Poor
GREAT SENECA CR	0857-3	Great Seneca Highway	Montgomery	1.6	Poor
GREAT SENECA CR	0857-8	Germantown Rd.	Montgomery	2.7	Poor
GREAT SENECA CR	0860-1	Brink Rd.	Montgomery	3.0	Fair
GREAT SENECA CR	0862-6	Arrowsmith Ct.	Montgomery	2.1	Poor
GREAT SENECA CR	0865-1	Davis Mill Rd.	Montgomery	4.1	Good
GREAT SENECA CR	0865-3	Davis Mill Rd. and Wildcat Rd.	Montgomery	1.6	Poor
GREAT SENECA CR	0865-4	Wildcat Rd.	Montgomery	3.9	Fair
GREAT SENECA CR UT	0857-4	Riffle Ford Rd.	Montgomery	2.7	Poor
GREAT SENECA CR UT	0857-5	Riffle Ford Rd.	Montgomery	1.6	Poor
GREAT SENECA CR UT	0857-7	Riffle Ford Rd.	Montgomery	1.6	Poor
GREAT SENECA CR UT	0857-9	Black Rock Rd.	Montgomery	4.1	Good
GREAT SENECA CR UT	0860-2	Blunt Rd.	Montgomery	1.3	Poor
GREAT SENECA CR UT	0860-3	Blunt Rd.	Montgomery	3.0	Fair
GREAT SENECA CR UT	0860-4	Game Preserve Rd.	Montgomery	2.4	Poor
GREAT SENECA CR UT	0865-5	Founders Way	Montgomery	3.6	Fair
JENNY CR	0864-5	Goshen Park Pl.	Montgomery	1.9	Poor
LITTLE SENECA CR	0859-3	W. Old Baltimore Rd.	Montgomery	1.6	Poor
LITTLE SENECA CR	0859-5	Schaeffer Rd.	Montgomery	3.0	Fair
LITTLE SENECA CR UT	0859-4	White Ground Rd.	Montgomery	3.3	Fair
LONG DRAUGHT BR	0857-6	Great Seneca Highway	Montgomery	1.6	Poor
SENECA CR	0854-3	Berryville Rd.	Montgomery	2.7	Poor
SENECA CR	0854-4	Montevideo Rd.	Montgomery	2.7	Poor
SENECA CR	0859-2	Skylark Rd.	Montgomery	3.0	Fair
SENECA CR UT	0854-1	Rt. 28	Montgomery	3.0	Fair
SENECA CR UT	0854-2	Poplar Hill Rd.	Montgomery	3.6	Fair
SENECA CR UT	0854-5	Montevideo Rd.	Montgomery	2.1	Poor
SENECA CR UT	0859-1	Shawnee Ln.	Montgomery	3.6	Fair
TEN MILE CR UT	0861-1	Shiloh Church Rd.	Montgomery	2.7	Poor
TEN MILE CR UT	0861-2	Shiloh Church Rd.	Montgomery	2.7	Poor

Appendix B (cont.)

Stream Waders results in the **Seneca Creek** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
TEN MILE CR UT	0861-3	W. Baltimore Rd.	Montgomery	3.9	Fair
TEN MILE CR UT	0861-5	W. Baltimore Rd.	Montgomery	4.4	Good
TENMILE CR UT	0861-4	W. Baltimore Rd.	Montgomery	3.0	Fair
WHETSTONE RUN	0862-1	Victory Farm Dr.	Montgomery	1.6	Poor
WHETSTONE RUN	0862-2	Midcounty Highway	Montgomery	1.6	Poor
WHETSTONE RUN	0862-3	Watkins Mill Rd.	Montgomery	1.3	Poor
WHETSTONE RUN	0862-4	Travis View	Montgomery	1.6	Poor
WILDCAT BR	0865-2	Davis Mill Road	Montgomery	3.9	Fair

Stream Waders results in the **Sideling Hill Creek** watershed (total sites = 23)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BEAR CR	0149-2	Rt. 40	Allegany	4.4	Good
BEAR CR	0151-1	McFarland Rd.	Washington	3.6	Fair
BEAR CR	0151-2	Bottenfield Rd.	Washington	4.4	Good
BEAR CR	0151-3	Bottenfield Rd.	Washington	3.6	Fair
POOL'S HOLLOW BR	0152-5	High Germany at I-68	Washington	2.4	Poor
SIDELING HILL CR	0148-1	Riser Rd.	Allegany	3.9	Fair
SIDELING HILL CR	0148-4	Zeigler Rd.	Allegany	4.1	Good
SIDELING HILL CR	0148-5	Zeigler Rd.	Washington	3.3	Fair
SIDELING HILL CR	0149-1	Rt. 40	Allegany	4.1	Good
SIDELING HILL CR	0149-3	Whitfield Swain Rd.	Allegany	3.6	Fair
SIDELING HILL CR	0149-4	Riser Rd.	Allegany	4.1	Good
SIDELING HILL CR	0152-4	High Germany Rd. and I-68	Allegany	3.6	Fair
SIDELING HILL CR UT	0148-2	Riser Rd.	Allegany	4.4	Good
SIDELING HILL CR UT	0149-5	Swain Hollow Rd.	Allegany	4.7	Good
SIDELING HILL CR UT	0150-1	Scenic Rt. 40 and Orleans Rd.	Allegany	3.3	Fair
SIDELING HILL CR UT	0150-2	Scenic 40 and Orleans Rd.	Allegany	4.1	Good
SIDELING HILL CR UT	0150-3	Scenic Rt. 40 and Mann Rd.	Allegany	4.1	Good
SIDELING HILL CR UT	0150-4	Watson Rd./Turkey Farm Rd./Mann Rd.	Allegany	4.4	Good
SIDELING HILL CR UT	0150-5	Divide Rd and Scenic Rt. 40 along I 68	Allegany	4.1	Good
SIDELING HILL CR UT	0152-1	High Germany Rd. and Earth Rd.	Allegany	4.7	Good
SIDELING HILL CR UT	0152-2	Swain Rd. and Scenic Rt. 40	Allegany	4.4	Good
SIDELING HILL CR UT	0152-3	Jenny Rd. and Mann Rd.	Allegany	3.3	Fair
SUGAR CAMP RUN UT	0148-3	Stotlemeyer Rd.	Allegany	4.7	Good

Appendix B (cont.)

Stream Waders results in the **Sinepuxent Bay** watershed (total sites = 3)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BAT CR	0681-1	Bald Eagle Rd.	Worcester	1.6	Poor
GRAYS COVE UT	0681-2	Frontier Town Campground	Worcester	1.3	Poor
GRAYS CR UT	0681-3	Rt. 611	Worcester	1.3	Poor

Stream Waders results in the **Stillpond-Fairlee** watershed (total sites = 12)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
CHESAPEAKE BAY UT	0348-1	Bay Shore Rd.	Kent	1.0	Poor
FAIRLEE CR	0349-3	Bay Shore Rd.	Kent	2.4	Poor
FAIRLEE CR UT	0349-1	Fairlee Rd. and Nicholson Rd.	Kent	3.3	Fair
FAIRLEE CR UT	0349-2	Fairlee Rd. (Rt. 298) and Mt. Pleasant	Kent	1.6	Poor
MILL CR	0351-2	Saint James Newtown Rd.	Kent	3.0	Fair
MILL CR	0351-3	Saint James Newtown Rd.	Kent	3.0	Fair
MILL CR UT	0350-3	Fairlee Rd.	Kent	3.6	Fair
MILL CR UT	0351-4	Rt. 298 (Lambs Meadow Rd.)	Kent	2.1	Poor
MILL CR UT	0351-5	Bottom Rd.	Kent	1.3	Poor
STILL POND CR UT	0352-1	Still Pond Creek Rd.	Kent	1.9	Poor
TIMS CR	0350-1	Saint James Newtown Rd.	Kent	2.1	Poor
TIMS CR	0350-2	Possum Hollow Rd.	Kent	3.3	Fair

Stream Waders results in the **Upper Pocomoke River** watershed (total sites = 28)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
AYDYLOTTE BR	0653-1	Rt. 353 (Gumboro Rd.)	Wicomico	2.4	Poor
AYDYLOTTE BR	0653-4	Esham Rd.	Wicomico	1.0	Poor
AYDYLOTTE BR UT	0653-5	Jones Hasting Rd.	Wicomico	1.9	Poor
BURNT MILL BR	0652-4	Bob Smith/Whitesville	Wicomico	1.6	Poor
BURNT MILL BR	0653-2	Rt. 353 (Gumboro Rd.)	Wicomico	1.9	Poor
BURNT MILL BR	0653-3	Whitesville Rd. and Bob Smith Rd.	Wicomico	2.1	Poor
CAREYTOWN BR	0654-1	Nelson Rd.	Worcester	1.6	Poor
CAREYTOWN BR	0654-2	Swamp Rd.	Worcester	1.3	Poor
CAREYTOWN BR	0654-3	Swamp Rd. and Blueberry Rd.	Worcester	1.6	Poor
COLBOURNE BR	0641-1	Laws Rd.	Worcester	1.6	Poor
COLBOURNE BR	0641-2	Laws Rd.	Worcester	1.6	Poor
COLBOURNE BR	0641-3	Laws Rd.	Worcester	1.6	Poor

Appendix B (cont.)

Stream Waders results in the Upper Pocomoke River watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
DAVID BR	0641-5	Davis Rd.	Worcester	2.4	Poor
DAVIS BR	0641-4	Davis Rd.	Worcester	1.6	Poor
GIVENS BR	0648-1	Mt. Herman Rd.	Wicomico	1.6	Poor
GIVENS BR	0648-2	Mt. Herman	Wicomico	1.9	Poor
GIVENS BR	0648-3	Mt. Herman Rd.	Wicomico	1.9	Poor
GIVENS BR	0648-4	Mt. Herman Rd.	Wicomico	1.6	Poor
GIVENS BR	0648-5	Mt. Herman Rd.	Wicomico	1.3	Poor
NINEPIN BR	0645-1	Ninepin Rd.	Worcester	1.0	Poor
NINEPIN BR	0645-2	Ninepin Rd	Worcester	1.9	Poor
NINEPIN BR	0645-4	Iron Shire Station Rd.	Worcester	1.3	Poor
OLD LINE DITCH	0654-4	Blueberry Rd.	Worcester	1.6	Poor
OLD MILL BR	0643-1	Patty Woods Rd.	Worcester	1.3	Poor
OLD MILL BR	0643-2	Patty Woods Rd.	Worcester	1.0	Poor
OLD MILL BR	0643-4	Queponco Rd.	Worcester	1.6	Poor
POCOMOKE R UT	0652-5	Pittsville Rd.	Wicomico	1.6	Poor
POCOMOKE R UT	0654-5	Sheppards Crossing Rd.	Worcester	1.3	Poor

Stream Waders results in the Western Branch watershed (total sites = 36)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BACK BR	0919-1	Rob Lee	Prince Georges	3.0	Fair
BACK BR	0919-2	Ritchie Marlboro Rd.	Prince Georges	1.9	Poor
BACK BR	0919-4	Brown Station Rd.	Prince Georges	4.1	Good
BLACK BR	0923-1	Church Rd.	Prince Georges	1.6	Poor
BLACK BR	0923-2	Chruch Rd.	Prince Georges	1.3	Poor
CABIN BR CR	0919-3	Ritchie Marlboro Rd.	Prince Georges	2.7	Poor
CABIN BR CR	0919-5	Melwood Rd.	Prince Georges	1.9	Poor
COLLINGTON BR	0923-3	Rt. 214	Prince Georges	1.6	Poor
COLLINGTON BR	0927-1	Rt. 450	Prince Georges	1.3	Poor
COLLINGTON BR UT	0923-4	Pin Oak Pkwy.	Prince Georges	1.0	Poor
COLLINGTON BR UT	0923-5	Pin Oak Pkwy. And Peachtree Ct.	Prince Georges	1.6	Poor
COLLINGTON BR UT	0927-2	Old Stage Rd.	Prince Georges	1.6	Poor
COLLINGTON BR UT	0927-3	Nottingham Rd. and Norwalk Ct.	Prince Georges	1.6	Poor
COLLINGTON BR UT	0927-4	Dunwood Crossing	Prince Georges	1.0	Poor
COLLINGTON BR UT	0927-5	Pleasant View Dr.	Prince Georges	1.3	Poor
FOLLY BR	0929-3	Baltimore Ln. and Elm St.	Prince Georges	1.0	Poor

Appendix B (cont.)

Stream Waders results in the **Western Branch** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
FOLLY BR	0929-4	Rt. 564 and Duvall St.	Prince Georges	1.3	Poor
LOTTSFORD BR	0929-1	Chantilly Ln. and Hudee Dr.	Prince Georges	1.0	Poor
NORTHEAST BR	0926-1	Lisborough Rd.	Prince Georges	1.3	Poor
NORTHEAST BR	0926-2	Woodmore Rd. and Woodvale Ln.	Prince Georges	1.3	Poor
NORTHEAST BR	0926-4	Kings Manor Dr.	Prince Georges	1.6	Poor
NORTHEAST BR UT	0926-3	Woodmore Rd.	Prince Georges	1.0	Poor
NORTHEAST BR UT	0926-5	Chesterton Dr.	Prince Georges	1.0	Poor
SOUTHWEST BR	0922-1	Harry Truman Dr.	Prince Georges	2.4	Poor
SOUTHWEST BR	0922-2	White House Rd.	Prince Georges	1.6	Poor
SOUTHWEST BR	0924-3	Walker Mill Rd.	Prince Georges	1.6	Poor
SOUTHWEST BR	0924-4	District Heights Pkwy.	Prince Georges	1.6	Poor
SOUTHWEST BR UT	0924-2	Largo West	Prince Georges	1.6	Poor
TURKEY BR	0921-3	Pyles Dr.	Prince Georges	2.7	Poor
WESTERN BR	0925-1	Chesterton Dr.	Prince Georges	1.9	Poor
WESTERN BR	0925-4	Lake Arbor Way (park side)	Prince Georges	1.9	Poor
WESTERN BR UT	0921-1	Hancock Dr. & Yuhas Ct.	Prince Georges	1.9	Poor
WESTERN BR UT	0921-2	Robert Bowie Dr.	Prince Georges	1.6	Poor
WESTERN BR UT	0924-1	Brightseat Rd./Glen Valley Dr.	Prince Georges	1.6	Poor
WESTERN BR UT	0925-2	Watkins Pl.	Prince Georges	1.9	Poor
WESTERN BR UT	0925-3	Kettering Pl.	Prince Georges	1.0	Poor

Stream Waders results in the **Youghiogheny River** watershed (total sites = 33)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BEAR CR	0016-4	Ron George Rd.	Garrett	4.4	Good
BEAR CR	0016-5	Fish Hatchery Rd.	Garrett	3.0	Fair
BEAR CR	0018-2	Bear Creek Rd.	Garrett	5.0	Good
BEAR CR	0020-1		Garrett	4.1	Good
BEAR CR UT	0016-2	Bumble Bee Rd.	Garrett	2.1	Poor
BEAR CR UT	0016-3	Ron George Rd.	Garrett	4.4	Good
BEAR CR UT	0018-1	Rt. 219 and Bear Creek Rd.	Garrett	5.0	Good
BEAR CR UT	0018-4	Bear Creek Rd.	Garrett	2.7	Poor
BEAR CR UT	0018-5	Everly Rd.	Garrett	5.0	Good
COVE RUN	0018-3	Pride Pkwy.	Garrett	3.3	Fair
COVE RUN	0021-5	Rt. 68	Garrett	3.3	Fair
DUNKARD LICK RUN	0007-1	Hutton Switch Road	Garrett	4.4	Good

Appendix B (cont.)

Stream Waders results in the **Youghiogheny River** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
GINSENG RUN	0013-2	Sang Run Road	Garrett	5.0	Good
GINSENG RUN	0013-3	Sang Run Road	Garrett	3.3	Fair
LITTLE BEAR CR	0016-1	Rabbit Hollow Rd.	Garrett	5.0	Good
MILL RUN	0021-1	Mill Run Rd.	Garrett	4.4	Good
MILL RUN UT	0021-2	Friendsville Addison Rd.	Garrett	4.1	Good
MILL RUN UT	0021-3	Addison-Friendsville Rd.	Garrett	3.3	Fair
MILL RUN UT	0021-4	Addison Friendsville Rd.	Garrett	4.4	Good
MUDDY CR	0010-1	Maple Glade Road	Garrett	4.4	Good
MUDDY CR	0010-2	Cranesville Road	Garrett	5.0	Good
MUDDY CR	0010-3	Cranesville Road	Garrett	1.3	Poor
PUZZLEY RUN	0022-1	Rt. 40	Garrett	3.9	Fair
PUZZLEY RUN UT	0022-2	Gated road--State Forest Rd.	Garrett	2.4	Poor
PUZZLEY RUN UT	0022-3	Hetrick Rd.	Garrett	4.4	Good
PUZZLEY RUN UT	0022-4	Rt. 68	Garrett	2.4	Poor
PUZZLEY RUN UT	0022-5	Rt. 68	Garrett	2.1	Poor
SALT BLOCK RUN	0011-5	White Rock Road	Garrett	3.6	Fair
YOUGHIOGHENY R	0011-2	Oakland Sang Run Road	Garrett	2.1	Poor
YOUGHIOGHENY R	0011-4	Sang Run Road	Garrett	4.1	Good
YOUGHIOGHENY R	0017-2	River Road and I68	Garrett	3.9	Fair
YOUGHIOGHENY R	0011-1	Oakland Sang Run Road	Garrett	4.7	Good
YOUGHIOGHENY R	0011-3	Oakland Sang Run Road	Garrett	3.6	Fair

Stream Waders results in the **Zekiah Swamp** watershed (total sites = 69)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
BOWLING CR	0755-5	Bowling Rd.	Charles	1.9	Poor
BOWLING CR UT	0755-1	Timberneck Pl.	Charles	3.9	Fair
BOWMAN CR	0758-1	Stone St.	Charles	3.6	Fair
BOWMAN CR	0758-2	Jericho Ln.	Charles	3.9	Fair
BOWMAN CR	0758-3	Bridgett Ln.	Charles	4.4	Good
BOWMAN CR	0758-4	Bridgett Ln.	Charles	4.7	Good
BOWMAN CR UT	0758-5	Doe Ct.	Charles	4.1	Good
CLARK RUN	0754-5	Bel Alton - Newtown Rd.	Charles	3.3	Fair
CLARK RUN	0759-2	Spring Hill Newton Rd.	Charles	4.4	Good
CLARK RUN	0759-3	Patuxent Dr.	Charles	3.0	Fair

Appendix B (cont.)

Stream Waders results in the **Zekiah Swamp** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
CLARK RUN	0759-4	Rt. 6 (Charles St.)	Charles	3.9	Fair
CLARK RUN UT	0759-1	Glen Albin Rd.	Charles	4.4	Good
COOKSEY RUN	0754-2	Cooksey Rd.	Charles	4.1	Good
DEVILS NEST	0768-4	Dr. Samuel Mudd Rd.	Charles	1.6	Poor
GILBERT SWAMP RUN UT	0753-1	Buckeye Dr.	Charles	2.7	Poor
JAMES RUN	0754-1	Cooksey Rd.	Charles	4.7	Good
JORDAN SWAMP	0766-1	Wash. Ave. & Railroad Place	Charles	1.3	Poor
JORDAN SWAMP RUN	0766-4	Gardiner Rd.	Charles	4.4	Good
JORDAN SWAMP RUN UT	0766-2	Vivian Adams Dr.	Charles	1.9	Poor
JORDAN SWAMP RUN UT	0766-5	Poplar Hill Rd.	Charles	1.3	Poor
JORDEN SWAMP UT	0766-3	Mattawoman-Beantown Rd.	Charles	2.1	Poor
KERRICK SWAMP	0761-1	Rt. 488	Charles	4.4	Good
KERRICK SWAMP RUN	0761-2	Billingsley Rd.	Charles	1.6	Poor
KERRICK SWAMP RUN	0761-4	Demarr Rd.	Charles	1.6	Poor
KERRICK SWAMP RUN	0761-5	Garner Ave. & Fillmore Rd.	Charles	1.0	Poor
KERRICK SWAMP RUN UT	0761-3	St. Charles Pkwy. & Deman Rd.	Charles	3.6	Fair
MADDOX BR	0757-1	Sparrow Ct.	Charles	4.1	Good
MADDOX BR	0757-4	Fairground Rd.	Charles	1.9	Poor
MADDOX BR UT	0757-2	Sparrow Ct.	Charles	5.0	Good
MADDOX BR UT	0757-3	Dove Dr.	Charles	4.7	Good
MILL DAM RUN	0767-1	Bryantown Rd.	Charles	3.9	Fair
MILL DAM RUN UT	0767-2	Barnes Chapman Pl.	Charles	3.6	Fair
MILL DAM RUN UT	0767-3	Grace Keller Pl.	Charles	2.4	Poor
MILL DAM RUN UT	0767-4	Flerage Pl.	Charles	3.0	Fair
MUD CR	0755-2	Conoy Pl.	Charles	3.0	Fair
PINEY BR	0764-1	Billingsley Rd.	Charles	3.3	Fair
PINEY BR	0764-3	Piney Church Rd.	Charles	1.3	Poor
PINEY BR UT	0764-2	Quade Circle	Charles	3.3	Fair
PINEY BR UT	0764-4	Robert Stethem Memorial Complex	Charles	2.1	Poor
PINEY BR UT	0764-5	Billingsley Rd.	Charles	3.3	Fair
RICE CR	0754-3	Wise Ln.	Charles	4.4	Good
ROSS BR	0756-1	Heatherstone Dr.	Charles	4.1	Good
ROSS BR	0756-2	Heatherstone Dr.	Charles	4.7	Good
ROSS BR	0756-3	Mudd Rd.	Charles	4.4	Good
ROSS BR	0756-4	Timbercreek Ln.	Charles	4.1	Good
SCAR BR	0754-4	Mirant Flyash	Charles	3.0	Fair
STONER CR	0760-2	Estevez Rd.	Charles	4.7	Good

Appendix B (cont.)

Stream Waders results in the **Zekiah Swamp** watershed (cont.)

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
WOLF DEN BR	0769-1	Sunset Rd.	Charles	4.4	Good
WOLF DEN BR	0769-4	Cedarville & Bevard	Prince Georges	2.4	Poor
WOLF DEN BR UT	0769-2	Bee Oak Rd.	Prince Georges	2.7	Poor
ZEKIAH SWAMP RUN	0755-4	Conoy Pl.	Charles	4.1	Good
ZEKIAH SWAMP RUN	0760-4	Estevez Rd. & Rt. 6	Charles	4.1	Good
ZEKIAH SWAMP RUN	0765-1	Rt. 5 (Leonardtwn Rd.)	Charles	4.1	Good
ZEKIAH SWAMP RUN	0769-3	Forest Rd.	Charles	3.3	Fair
ZEKIAH SWAMP RUN	0769-5	Simms Lane	Prince Georges	2.7	Poor
ZEKIAH SWAMP RUN UT	0755-3	Conoy Pl.	Charles	3.0	Fair
ZEKIAH SWAMP RUN UT	0762-1	Sunnyside Dr.	Charles	4.7	Good
ZEKIAH SWAMP RUN UT	0762-2	La Plata Rd. (Rt. 488)	Charles	2.7	Poor
ZEKIAH SWAMP RUN UT	0762-3	Englewood Dr.	Charles	3.3	Fair
ZEKIAH SWAMP RUN UT	0762-4	Bryantown Ct.	Charles	4.1	Good
ZEKIAH SWAMP RUN UT	0765-2	Un-named road from Cedar Hill Pl.	Charles	2.1	Poor
ZEKIAH SWAMP RUN UT	0765-3	Hemming Pl.	Charles	2.7	Poor
ZEKIAH SWAMP RUN UT	0767-5	Hunters Hill Pl.	Charles	4.4	Good
ZEKIAH SWAMP RUN UT	0768-1	Gardiner Rd.	Charles	2.4	Poor
ZEKIAH SWAMP RUN UT	0768-2	Gardiner Rd.	Charles	3.0	Fair
ZEKIAH SWAMP RUN UT	0768-3	Breconridge Dr.	Charles	4.1	Good
ZEKIAH SWAMP RUN UT	0768-5	St. Peters Church Rd.	Charles	2.1	Poor
ZEKIAH SWAMP UT	0760-1	Estevez Rd.	Charles	4.4	Good
ZEKIAH SWAMP UT	0760-3	Dr. Edlen Rd.	Charles	4.1	Good

Appendix C. In 2001, Stream Waders volunteers sampled several sites to support special projects or programs. As in Appendix B, sites were sampled in March and April 2001. Tables include stream name, site number, nearest road(s), and stream condition rating (based on the family-level Index of Biotic Integrity). Additional information, such as a list of benthic macroinvertebrate families found at each site, can be found at <http://mddnr.chesapeakebay.net/mbss/streamwaders.cfm>

Stream Waders results in the **Hunting Creek** watershed (total sites = 3). These samples were collected by students from the Calverton School to support their educational/stream monitoring project.

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
LITTLE LYONS	9012-1	Hunting Creek Road	Calvert	3.9	Fair
HUNTING CR UT	9013-1	Route 214	Calvert	3.0	Fair
SULLIVAN'S BRANCH	9014-1	Route 4	Calvert	2.7	Poor

Stream Waders results in the **Patapsco River Lower North Branch** watershed (total sites = 2). These samples provide baseline information on stream quality for the Mt. Pleasant Conservancy, a non-profit environmental organization.

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
DAVIS BR	1019-1	Rt. 99 Old Frederick Road	Howard	1.3	Poor
DAVIS BR EAST BR	1019-2	Rt. 99 Old Frederick Road	Howard	3.6	Fair

Stream Waders results in the **Loch Raven Reservoir** watershed (total sites = 2). These samples were collected by citizens interested in the quality of their local streams.

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
GREEN BR	9005-1	Phoenix Road	Baltimore	3.9	Fair
BAISMANS RUN	9006-1	Ivy Hill Road	Baltimore	3.9	Fair

Appendix C (cont.)

Stream Waders results in the **Mattawoman Creek** watershed (total sites = 4). These samples were collected by staff of Indian Head Naval Surface Warfare Center to help support their environmental and natural resource protection program.

Stream name	Site	Nearest road (s)	County	IBI Score	Condition
MATTAWOMAN CR UT	9000-1	Bronson Road	Charles	1.6	Poor
MATTAWOMAN CR UT	9001-1	Olson Road	Charles	1.0	Poor
MATTAWOMAN CR UT	9002-1	Dashiell Road	Charles	1.9	Poor
MATTAWOMAN CR UT	9004-1	Roach Road	Charles	2.4	Poor